

Docket No.: HVD2105

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**COMBINED DECLARATION
AND AUTHORIZATION OF AGENT**

DECLARATION

As a below-named inventor, I hereby declare that:

This declaration is for an original, joint, utility patent application;

My residence, post office address, and citizenship are as stated below under my name;

I believe that the below-named inventors are the original, first, and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PULSED ION BEAM CONTROL OF SOLID STATE FEATURES

the specification of which:

_____ is attached hereto;

✓ _____ was filed on October 28, 2003 as

Application Serial No. 10/695,381

and was amended on _____

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above;

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION

I hereby claim the benefit under 35 U.S.C. §119(e) of the following United States provisional patent application:

Provisional Application No.

60/421,908

Filing Date

October 29, 2002

CLAIM FOR BENEFIT OF PRIOR U.S. NONPROVISIONAL APPLICATION

This application is a continuation-in-part (CIP) and I hereby claim priority under 35 U.S.C. §120 of the following pending United States non-provisional patent application:

Non-provisional Application No.

10/186,105

Filing Date

June 27, 2002

DUTY OF CANDOR

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability of the invention as defined in Title 37, Code of Federal Regulations, §1.56.

AUTHORIZATION OF PATENT AGENT

As a named inventor, I hereby appoint the following Patent Agent to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Theresa Lober, Patent Agent

Registration No. 35,253

I also hereby grant additional Authorization to the above-named Patent Agent to file and prosecute an international application under the Patent Cooperation Treaty based upon the above identified application, including a power to meet all designated office requirements for designated states.

CORRESPONDENCE

Please send all correspondence to: Theresa A. Lober
T. A. Lober Patent Services
45 Walden Street
Concord, Massachusetts 01742

Please direct telephone calls to: Theresa A. Lober
(978) 369-2181

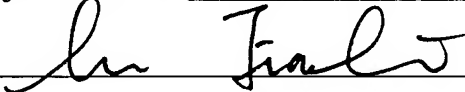
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

Full name of First joint inventor: Jene A. Golovchenko
Inventor's
Signature: _____ Date: _____
Residence: One Nowers Road
Lexington, Massachusetts 02421 USA
Citizenship: USA
Post Office Address: Same as Above

Full name of Second joint inventor: Derek M. Stein
Inventor's
Signature: _____ Date: _____
Residence: Zusterlaan nr. 168
2611 MP, Delft, Netherlands
Citizenship: Canada
Post Office Address: Same as Above

Full name of Third joint inventor: Jiali Li

Inventor's
Signature:  Date: 8/23/04

Residence: 4854 W Dover St.

Fayetteville, Arkansas 72704

Citizenship: China

Post Office Address: Same as Above



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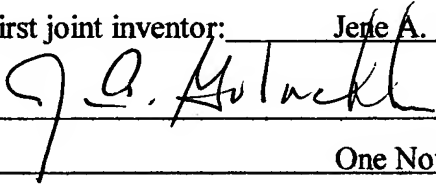
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Inventor's Signature:  Date: 8/31/04
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Inventor's Signature: _____ Date: _____
Residence: Zusterlaan nr. 168
2611 MP, Delft, Netherlands
Citizenship: Canada
Post Office Address: Same as Above

Full name of Third joint inventor: Jiali Li

Inventor's

Signature: _____ Date: _____

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Fayetteville, Arkansas 72703 72704

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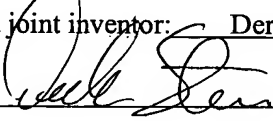
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Inventor's
Signature:  Date: August 23, 2004
Residence: Zusterlaan nr. 168
2611 MP, Delft, Netherlands
Citizenship: Canada
Post Office Address: Same as Above

Full name of Third joint inventor: Jiali Li

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